

Converting Colors

XYZ(28.9722, 14.4655, 22.5994)

Have a look what the booklet for
XYZ(28.9722, 14.4655, 22.5994)
contains.

XYZ(28.9986, 14.4761, 22.7385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.9986, 14.4761,
22.7385)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0083
RGB	204, 0, 131
RGB Percent	80%, 0%, 51%
CMY	0.2000, 0.9998, 0.4863
CMYK	0.00, 1.00, 0.36, 0.20
HSL	321°, 100%, 40%
HSV	321°, 100%, 80%
XYZ	28.9986, 14.4761, 22.7385
YIQ	75.9300, 79.5330, 83.9890

Conversions

Conversions Part 2

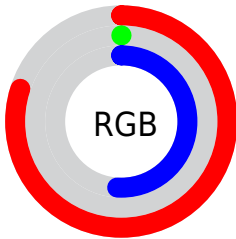
Format	Color
RYB	204, 0, 131
Decimal	13369475
CIELab	44.91, 74.07, -13.64
CIElCh	45, 75.313, 349.562
Yxy	14.4761, 0.4380, 0.2186
Android (android.graphics.Color)	4291559555 (0xFFCC0083)
YUV	75.9300, 27.1495, 112.3174
Hunter-Lab	38.0475, 69.4641, -8.8005

Details

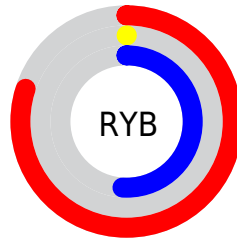
The XYZ color **28.9986, 14.4761, 22.7385** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **22.7972, 43.6676, 13.5372**, and the grayscale version is **6.8024, 7.1566, 7.7936**.

A 20% lighter version of the original color is **53.4641, 31.8654, 48.6802**, and **13.0246, 6.5385, 8.5582** is the 20% darker color. If you saturate the color by 10%, you get **28.9977, 14.4757, 22.7337**, and if you desaturate by 10%, it is **29.7691, 15.1970, 25.5237**.

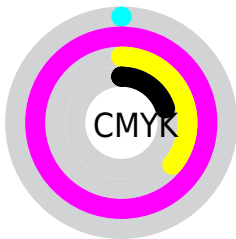
Distribution



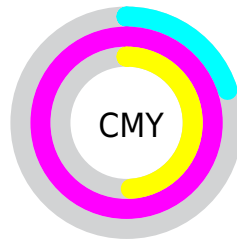
- Red (80%)
- Green (0%)
- Blue (51%)



- Red (80%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9986, 14.4761, 22.7385 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 28.9986, 14.4761, 22.7385 by changing the saturation by 10% instead.


 28.9986, 14.4761,
22.7385


 28.9986, 14.4761,
22.7385


289.2027,
220.1729, 279.4573


 19.2240, 8.4525,
14.1971


 57.4724, 33.9314,
48.8813

 11.9372, 4.3859,
8.1175


 76.9024, 48.1320,
67.3198


 6.7729, 1.8917,
4.0814


 100.2816, 65.8270,
89.8943

 3.3655, 0.5434,
1.6701

 127.9753, 87.4009,
117.0235

 1.3499, 0.0000,
0.3401

 160.3489,
113.2381, 149.1258

 0.2201, 0.0000,
0.0000

 197.7678,

 0.0000, 0.0000,

143.7228, 186.6199

0.0000

240.5972,
179.2396, 229.9242

■ 28.9986, 14.4761,
22.7385

■ 28.9986, 14.4761,
22.7385

■ 28.9977, 14.4757,
22.7337

■ 29.7691, 15.1970,
25.5237

■ 30.8467, 16.4751,
28.5867

■ 32.3252, 18.4972,
31.9622

■ 34.2552, 21.3629,
35.6701

■ 36.6791, 25.1565,
39.7280

■ 39.6344, 29.9520,
44.1512

■ 43.1550, 35.8158,
48.9541

■ 47.2715, 42.8086,
54.1499

■ 52.0125, 50.9865,
59.7508

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.8825, 14.4761, 49.5765



28.9986, 14.4761, 22.7385



28.2045, 14.4761, 6.9155

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.9986, 14.4761, 22.7385



10.1629, 14.4761, 0.4518



7.4191, 14.4761, 58.2252

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.9986, 14.4761, 22.7385



22.7972, 43.6676, 13.5372

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.3457, 14.4761, 30.0618



28.9986, 14.4761, 22.7385



6.5712, 14.4761, 2.4113

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.9986, 14.4761, 22.7385



16.0177, 14.4761, 0.2350



5.0903, 14.4761, 10.3820



11.7235, 14.4761, 78.1656

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.9986, 14.4761, 22.7385



25.0555, 14.4761, 2.5266



5.0903, 14.4761, 10.3820



6.5004, 14.4761, 48.7295

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.9990, 14.4769, 22.7387



71.2109, 58.8805, 80.7343



13.5293, 5.7162, 57.5171



14.6875, 11.6742, 16.5389



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.9990, 14.4769, 22.7387



47.9167, 23.9307, 37.0893



25.1448, 12.9352, 2.4426



11.5105, 11.3329, 13.2227



18.2973, 9.1295, 14.5500



0.9793, 0.4851, 0.9370

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.9990, 14.4769, 22.7387



47.9167, 23.9307, 37.0893



29.1755, 46.2189, 47.1248



11.5105, 11.3329, 13.2227



18.2973, 9.1295, 14.5500



0.9793, 0.4851, 0.9370

Previews

White Background



This preview shows how the XYZ color 28.9986, 14.4761, 22.7385 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.9986, 14.4761, 22.7385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9986, 14.4761, 22.7385

Background



This preview shows how black text looks on a background with the XYZ color 28.9986, 14.4761, 22.7385.



This preview shows how white text looks on a background with the XYZ color 28.9986, 14.4761,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.9986, 14.4761, 22.7385

Protanopia

16.7962, 15.2736, 49.0766

Deuteranopia

15.4769, 15.2239, 20.5351



Tritanopia

25.4470, 14.8644, 5.0179

Trichromacy



Original Color

28.9986, 14.4761, 22.7385



Protanomaly

16.7279, 10.7974, 37.7617



Deuteranomaly

17.5629, 11.6060, 20.7165



Tritanomaly

26.1542, 14.1144, 9.3285

Monochromacy



Original Color

28.9986, 14.4761, 22.7385



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.3367, 7.1694, 11.8527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9986, 14.4761, 22.7385 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 131)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 131) }
```

Border

The CSS property to change the border of an element to XYZ 28.9986, 14.4761, 22.7385 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 0, 131) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 0, 131) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 0, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9986, 14.4761, 22.7385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 131) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204, 0,  
131) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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